

SUBSTITUTE SPECIFICATION

ABSTRACT OF THE DISCLOSURE

In a method or system for printing of a recording medium, potential images are generated on a potential image carrier. A developer liquid is used that comprises a transparent photo-polymerizable carrier liquid and charged colorant particles. The developer is transported via an applicator roller to the potential image carrier to form a developer film in a developing zone. The developer film adjacent to the potential image carrier comprises the photo-polymerizable carrier liquid enriched with the colorant particles in regions in which potential images are present on the potential image carrier and said photo-polymerizable liquid substantially depleted of said colorant particles in regions in which no potential images are present. The developer film splits at an end of the developing zone into an image film adhering to the potential image carrier comprising the developed potential image and a film adhering to the applicator roller comprising the photo-polymerizable liquid with residual colorant particles. The image film with the developed potential images is transferred from the potential image carrier onto the recording medium such that the colorant particles and a portion of the photo-polymerizable liquid in which the colorant particles are arranged migrates from the image film. The image film is fixed on the recording medium with a radiation such that the colorant particles of the developed potential images are embedded in a solid, transparent polymer mass via photo-polymerization, and otherwise the photo-polymerizable liquid is solidified into a transparent film.